



## **Atlas V to Launch the Third Mobile User Objective System (MUOS-3)**

**Rocket/Payload:** An Atlas V 551 will launch the Navy's third Mobile User Objective System (MUOS-3) satellite.

**Date/Site/Launch Time:** Tuesday, Jan. 20, 2015, from Space Launch Complex-41 at Cape Canaveral Air Force Station, Florida. The 44-minute launch window opens at 7:43 p.m. EST.

**Launch Viewing:** A live stream of the launch broadcast will be available at [www.ulalaunch.com](http://www.ulalaunch.com) beginning at 7:23 p.m. EST. The high definition launch broadcast is also available via satellite:

- Satellite: SES 2
  - Transponder: 21
  - Band: C-Band Digital
  - Orbital Position: 87°W
  - HD Bandwidth: 18 MHz (Half Transponder 'AB')
  - Downlink Frequency: 4111 MHz (Horizontal)
  - Uplink Frequency: 6336 MHz (Vertical)
  - Symbol Rate: 13
  - FEC: 3/4
  - Data Rate: 17.9705
  - DVBS: QPSK
  - Mpeg 2
  - Audio Embedded
- Bars and tone will begin at 6:53 p.m. EST

**Mission Description:** The Mobile User Objective System (MUOS) is a next-generation narrowband tactical satellite communications system designed to significantly improve ground communications for U.S. forces on the move.

MUOS will provide military users 10 times more communications capability over existing systems, including simultaneous voice, video and data, leveraging 3G mobile communications technology.

**Launch Notes:** MUOS-3 will mark United Launch Alliance's first launch of 2015 and the 52<sup>nd</sup> Atlas V since the vehicle's inaugural launch in 2002. MUOS-1 and MUOS-2 also launched on an Atlas V 551: MUOS-1 launched Feb. 24, 2012, and MUOS-2 launched July 19, 2013.

**Launch Updates:** To keep up to speed with updates to the launch countdown, dial the ULA launch hotline at 1-877-852-4321 or join the conversation at [www.facebook.com/ulalaunch](http://www.facebook.com/ulalaunch), [twitter.com/ulalaunch](https://twitter.com/ulalaunch) and [instagram.com/ulalaunch](https://www.instagram.com/ulalaunch); hashtags #MUOS and #AtlasV.

**Go Atlas! Go Centaur! Go MUOS-3!**